

## BIOGRAPHICAL SKETCH

**NAME: Janet J. Diliberto**

**POSITION TITLE: Research Biologist**

### EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
Roberts Wesleyan College, Rochester, NY University of Rochester Graduate School, Rochester, NY	B.A.	1960 1961-62	Biology Pharmacology

### PROFESSIONAL EXPERIENCE:

1960-1970      Technical Associate, Pharmacology Department, University of Rochester Medical School, Rochester, NY  
1980-1986      Biological Laboratory Technician, Laboratory of Pharmacology, Division of Intramural Research, NIEHS, RTP, NC  
1986-1990      Research Biologist, Chemical Disposition Group, Systemic Toxicology Branch, National Toxicology Program, NIEHS, RTP, NC  
1990-present   Research Biologist (principal investigator), Pharmacokinetics Branch, Experimental Toxicology Division, NHEERL, US EPA, RTP, NC

### PROFESSIONAL SOCIETIES:

North Carolina Chapter, Society of Toxicology

### SELECTED AWARDS AND HONORS:

1998      Scientific and Technological Achievement Award, Level III, ORD, US EPA, RTP, NC  
1999      Scientific and Technological Achievement Award, Level II, ORD, US EPA, RTP, NC  
2000      Scientific and Technological Achievement Awards (2 Honorable Mentions), ORD, US EPA, RTP, NC

### INVITED LECTURES/SYMPOSIA:

2000      National Institute of Environmental Studies (NIES; Environment Agency of Japan), Tsukuba, Japan  
2000      Workshop on Knockout Mice, Japanese Society of Toxicology Meeting, Yokohama, Japan

### ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:

2002-2006      Member of the International Life Sciences Institute (ILSI) Health and Environmental Sciences Institute (HESI) Agricultural Chemicals Safety Assessment Subcommittee ADME Task Force and Liaison to the Life-Stages Task Force.

### ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY:

1998      Delegate (sponsored by the Gore-Chenobyl Commission) to Third North American-Russian Workshop on Joint Actions to Reduce Dioxin and Dioxin-related Compounds, Lake Baikal, Siberia  
2005-2007      Member of NHEERL Diversity Steering Committee

### ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY AND REGIONS:

2000-present      ORD/NHEERL/ETD Project Officer on two Regional Applied Research Efforts (RARE) projects for Regions I and III

### PUBLICATIONS (From January 1, 1999 to present, 16 out of a total of 51 publications):

1. Abbott, B.D., Buckalew, A.R., Diliberto, J.J., Wood, C.R., Held, G., Pitt, J.A., and Schmid, J.E. (1999) AhR, ARNT, and Cyp1A1 mRNA quantitation in cultured human embryonic palates exposed to TCDD and comparison with mouse palate in vivo and in culture. *Toxicological Sciences* 47: 62-75.
2. Abbott, B.D., Schmid, J.E., Pitt, J.A., Buckalew, A.R., Wood, C.R., Held, G.A., and Diliberto, J.J. (1999) Adverse reproductive outcomes in the transgenic Ah receptor-deficient mouse. *Toxicology and Applied Pharmacology* 155:62-70.
3. Diliberto, J.J., Burgin, D., and Birnbaum, L.S. (1999) Effects of CYP1A2 on disposition of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, 2,3,4,7,8-pentachlorodibenzofuran, and 2,2',4,4',5,5'-hexachlorobiphenyl in CYP1A2 knockout and parental (C57BL/6N and 129/Sv) strains of mice. *Toxicology and Applied Pharmacology* 159:52-64.
4. Slezak, M.P., Diliberto, J.J., and Birnbaum, L.S. (1999) 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin-mediated oxidative stress in CYP1A2 knockout (CYP1A2<sup>-/-</sup>) mice. *Biochemical and Biophysical Research Communications* 264:376-379.
5. Slezak, B.P., Hatch, G.G., DeVito, M.J., Diliberto, J.J., Slade, R., Crissman, K., Hassoun, E., and Birnbaum, L.S. (2000) Oxidative stress in female B6C3F1 mice following acute and subchronic exposure to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD). *Toxicological Sciences* 54:390-398.
6. DeVito, M.J., Menache, M.G., Diliberto, J.J., Ross, D.G., and Birnbaum, L.S. (2000) Dose-response relationships for induction of CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin in female mice following subchronic exposure to polychlorinated biphenyls. *Toxicology and Applied Pharmacology* 167:157-172.
7. Diliberto, J.J., DeVito, M.J., Ross, D.G., and Birnbaum, L.S. (2001) Subchronic exposure of [<sup>3</sup>H]2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in female B6C3F1 mice: Relationship of steady-state levels to disposition and metabolism. *Toxicological Sciences* 61, 241-255.
8. Burgin, D.E., Diliberto, J.J., Derr-Yellin, E.C., Kannan, N., Kodavanti, P.R.S., and Birnbaum, L.S. (2001) Differential effects of two lots of Aroclor 1254: Enzyme induction, thyroid hormones, and oxidative stress. *Environmental Health Perspectives* 109, 1163-1168.
9. Birnbaum, L.B., Staskal, D., and Diliberto, J.J. (2003) Health effects of polybrominated dibenzo-*p*-dioxins (PBDDs) and dibenzofurans (PBDFs). *Environment International* 29 (Issue 6): 855-860.
10. Smialowicz, R.J., Burgin, D.E., Williams, W.C., Diliberto, J.J., Setzer, R.W., and Birnbaum, L.S. (2004) CYP1A2 is not required for 2,3,7,8-tetrachlorodibenzo-*p*-dioxin-induced immunosuppression. *Toxicology* 197(1):15-22.
11. Staskal, D.F., Diliberto, J.J., DeVito, M.J., and Birnbaum, L.S. (2005) Toxicokinetics of BDE 47 in Female Mice: Effect of Dose, Route of Exposure, and Time. *Toxicological Sciences* 83(2):215-223.
12. Staskal, D. F., Diliberto, J. J., DeVito, M. J., and Birnbaum, L. S. (2005) Inhibition of Human and Rat CYP1A2 by TCDD and Dioxin-like Chemicals. *Toxicological Sciences* 84: 1-7.
13. Barton, H. A., Pastoor, T. P., Baetcke, K., Chambers, J. E., Diliberto, J., Doerrer, N. G., Driver, J. H., Hastings, C. E., Iyengar, S., Krieger, R., Stahl, B., and Timchalk, C. (2006) The Acquisition and Application of Absorption, Distribution, Metabolism, and Excretion (ADME) Data in Agricultural Chemical Safety Assessment. *Critical Reviews in Toxicology* 36: 37-68.
14. Staskal, D.R., Diliberto, J.J., and Birnbaum, L.S. (2006) Impact of Repeated Exposure on the Toxicokinetics of BDE 47 in Mice. *Toxicological Sciences* 89(2): 380-385.
15. Staskal, D.F., Diliberto, J.J., and Birnbaum, L.S. (2006) Disposition of BDE 47 in Developing Mice. *Toxicological Sciences* 90(2), 309-316.
16. Staskal, D.F., Hakk, H., Bauer, D., Diliberto, J.J., and Birnbaum, L.S. (2006) Toxicokinetics of Polybrominated Diphenyl Ether Congeners 47, 99, 100, and 153 in Mice, *Toxicological Sciences* 94(1), 28-37.